



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

November 26, 2018

Ms. Doris Chen & Ms. Fran Verhalen
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-06
RTP, NC 27709
Project Name: Chloroprene

Dear Ms. Doris Chen & Ms. Fran Verhalen,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 11/05/18 11:18 through 11/06/18 10:28.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Ms. Fran Verhalen

PHONE: (919) 541-4957 **FAX:** -

FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Levee	8110528-01	Air	10/31/18 15:35	11/05/18 11:18
Fifth Ward Elementary School	8110528-02	Air	10/31/18 15:38	11/05/18 11:18
Ochsner Hospital	8110528-03	Air	10/31/18 15:17	11/05/18 11:18
238 Chad Baker	8110528-04	Air	10/31/18 15:40	11/05/18 11:18
Acorn and Hwy 44	8110528-05	Air	10/31/18 15:31	11/05/18 11:18
East St. John the Baptist High	8110528-06	Air	10/31/18 15:13	11/05/18 11:18
East St. John the Baptist High	8110528-07	Air	10/31/18 15:13	11/05/18 11:18
Acorn and Hwy 44 C1	8110612-01	Air	11/03/18 13:30	11/06/18 10:28
Acorn and Hwy 44 C2	8110612-02	Air	11/03/18 13:30	11/06/18 10:28
Fifth Ward Elementary School	8110612-03	Air	11/03/18 13:38	11/06/18 10:28
Levee	8110612-04	Air	11/03/18 13:34	11/06/18 10:28
238 Chad Baker	8110612-05	Air	11/03/18 13:41	11/06/18 10:28
East St. John the Baptist High	8110612-06	Air	11/03/18 12:52	11/06/18 10:28
Ochsner Hospital	8110612-07	Air	11/03/18 12:56	11/06/18 10:28



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REPORTED: 11/26/18 11:47

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AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 8110528-01

Sampled: 10/31/18 15:35

Pressure @ Receipt: 10.00" Hg

Canister #: 5033

Received: 11/05/18 11:18

Comments: PR-28 Start 15:25 10/30/18

Analyzed: 11/06/18 17:13

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 8110528-02

Sampled: 10/31/18 15:38

Pressure @ Receipt: 8.00" Hg

Canister #: A21009

Received: 11/05/18 11:18

Comments: PR-1 Start 15:28 10/30/18

Analyzed: 11/06/18 18:16

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 8110528-03

Sampled: 10/31/18 15:17

Pressure @ Receipt: 8.50" Hg

Canister #: A21039

Received: 11/05/18 11:18

Comments: PR-18 Start 15:14 10/30/18

Analyzed: 11/06/18 19:19

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.00430	0.02	U	0.0129



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REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 8110528-04

Sampled: 10/31/18 15:40

Pressure @ Receipt: 7.50" Hg

Canister #: SAT123

Received: 11/05/18 11:18

Comments: PR-24 Start 15:30 10/30/18

Analyzed: 11/06/18 20:22

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.00450	0.02	U	0.0129



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REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 8110528-05

Sampled: 10/31/18 15:31

Pressure @ Receipt: 8.00" Hg

Canister #: SAT145

Received: 11/05/18 11:18

Comments: PR-14 Start 15:22 10/30/18

Analyzed: 11/06/18 21:24

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.00370	0.01	U	0.0129



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REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 8110528-06

Sampled: 10/31/18 15:13

Pressure @ Receipt: 8.00" Hg

Canister #: A21055

Received: 11/05/18 11:18

Comments: Col 1 PR-22 Start 15:10 10/30/18

Analyzed: 11/06/18 22:27

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.409	1.48		0.0129



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FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 8110528-07

Sampled: 10/31/18 15:13

Pressure @ Receipt: 8.50" Hg

Canister #: SAT037

Received: 11/05/18 11:18

Comments: Col 2 PR-26 Start 15:10 10/30/18

Analyzed: 11/07/18 00:32

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.419	1.52		0.0129



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FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44 C1

Lab ID: 8110612-01

Sampled: 11/03/18 13:30

Pressure @ Receipt: 6.50" Hg

Canister #: 19293

Received: 11/06/18 10:28

Comments: Col 1 PR-14 Start 12:48 11/2/18

Analyzed: 11/07/18 02:37

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.05	3.81		0.0129



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FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44 C2

Lab ID: 8110612-02

Sampled: 11/03/18 13:30

Pressure @ Receipt: 6.50" Hg

Canister #: 19648

Received: 11/06/18 10:28

Comments: Col 2 PR-26 Start 12:48 11/2/18

Analyzed: 11/07/18 04:43

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.05	3.81		0.0129



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FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 8110612-03

Sampled: 11/03/18 13:38

Pressure @ Receipt: 7.00" Hg

Canister #: 19647

Received: 11/06/18 10:28

Comments: PR-1 Start 12:54 11/2/18

Analyzed: 11/07/18 06:48

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 8110612-04

Sampled: 11/03/18 13:34

Pressure @ Receipt: 8.50" Hg

Canister #: 18874

Received: 11/06/18 10:28

Comments: PR-28 Start 12:51 11/2/18

Analyzed: 11/07/18 07:50

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.133	0.48		0.0129



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FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 8110612-05

Sampled: 11/03/18 13:41

Pressure @ Receipt: 7.00" Hg

Canister #: 5013

Received: 11/06/18 10:28

Comments: PR-24 Start 12:57 11/2/18

Analyzed: 11/07/18 08:52

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.0122	0.04	U	0.0129



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FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 8110612-06

Sampled: 11/03/18 12:52

Pressure @ Receipt: 7.50" Hg

Canister #: 5019

Received: 11/06/18 10:28

Comments: PR-22 Start 12:32 11/2/18

Analyzed: 11/07/18 09:55

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.01	3.66		0.0129



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REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 8110612-07

Sampled: 11/03/18 12:56

Pressure @ Receipt: 7.50" Hg

Canister #: 18869

Received: 11/06/18 10:28

Comments: PR-18 Start 12:39 11/2/18

Analyzed: 11/07/18 10:57

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.587	2.13		0.0129



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FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B8K0607 - Summa Canister Prep

Blank (B8K0607-BLK1)

Prepared & Analyzed: 11/06/18

Chloroprene	ND	ppbv				U
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Duplicate (B8K0607-DUP1)

Source: 8110528-06 Prepared: 10/31/18 Analyzed: 11/06/18

Chloroprene	0.416	ppbv	0.41	1.77	25	
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Duplicate (B8K0607-DUP2)

Source: 8110528-07 Prepared: 10/31/18 Analyzed: 11/07/18

Chloroprene	0.429	ppbv	0.42	2.26	25	
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Duplicate (B8K0607-DUP3)

Source: 8110612-01 Prepared: 11/03/18 Analyzed: 11/07/18

Chloroprene	1.06	ppbv	1.05	0.942	25	
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Duplicate (B8K0607-DUP4)

Source: 8110612-02 Prepared: 11/03/18 Analyzed: 11/07/18

Chloroprene	1.04	ppbv	1.05	0.536	25	
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FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1809058

Initial Cal Check (1809058-ICV1)

Prepared & Analyzed: 09/28/18

Chloroprene	2.58	ppbv	5.0	30.00
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Sequence 1811014

Calibration Check (1811014-CCV1)

Prepared & Analyzed: 11/06/18

Chloroprene	2.32	ppbv	-6.3	30.00
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FILE #: 0344.00

REPORTED: 11/26/18 11:47

SUBMITTED: 11/05/18 to 11/06/18

AQS SITE CODE:

SITE CODE: Chloroprene

Notes and Definitions

U	Under Detection Limit
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.